

FOR ELECTRICAL INSPECTORATE



SIGNATURE OF CLIENT:

SIGNATURE OF CONTRACTOR:

V.S. ASSOCIATES
Elect. Contractor Permit No. GA 573
Marthol Road
Karunagapally

SIGNATURE OF SUPERVISOR:

VISHNU .S
Elect. Supervisor Permit No: 2240
Karavalli Vadakkathil
Krishnapuram

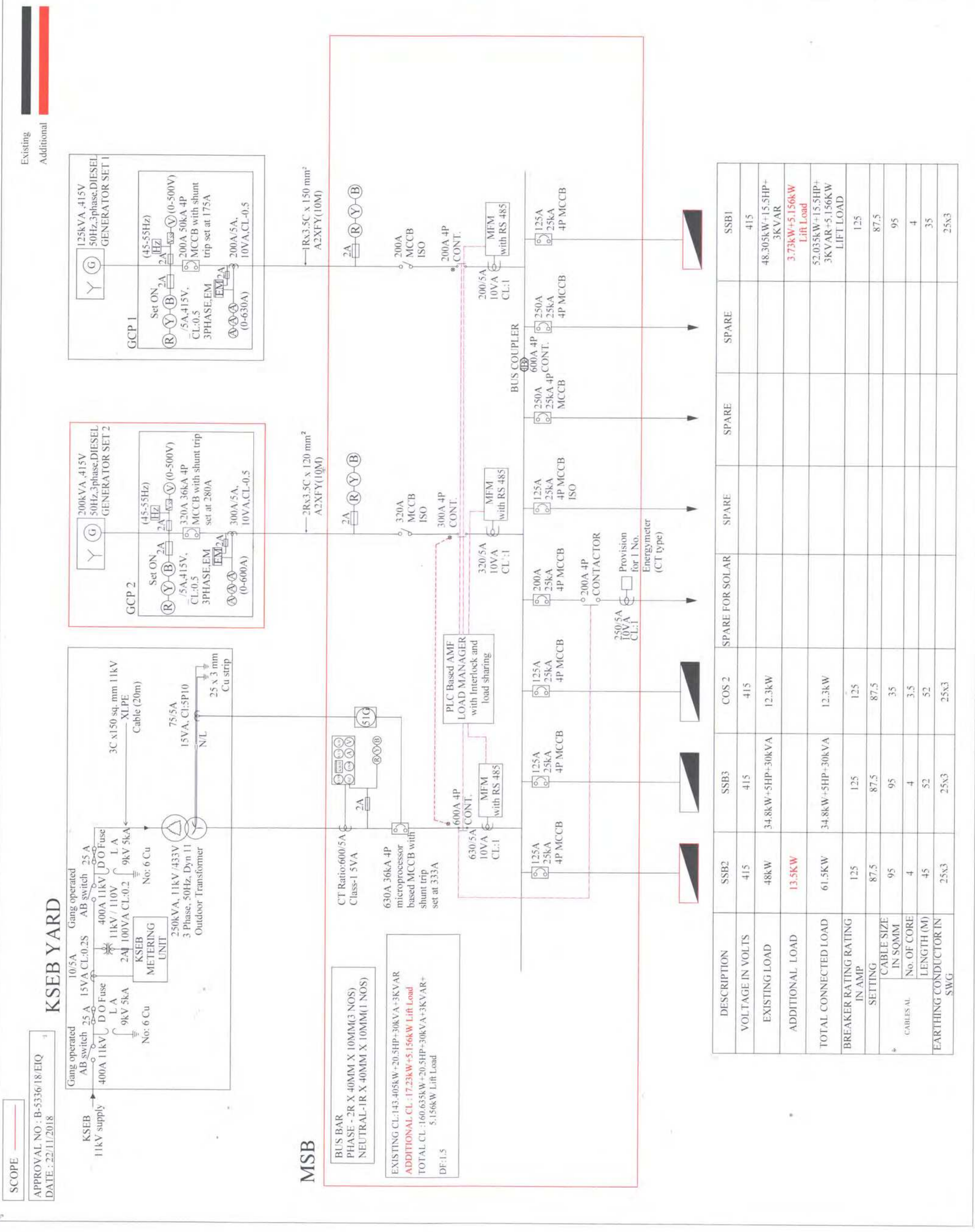
CONTRACTOR :
VS ASSOCIATES
MARKET ROAD
KARUNAGAPALLY
KOLLAM. CA 573

SITE : AM HOSPITAL,
KARUNAGAPALLY

TITLE : SCHEMATIC DIAGRAM OF
MSB

DATE : 10-02-2026
DESIGN AND DRAWN BY :
VISHNU S

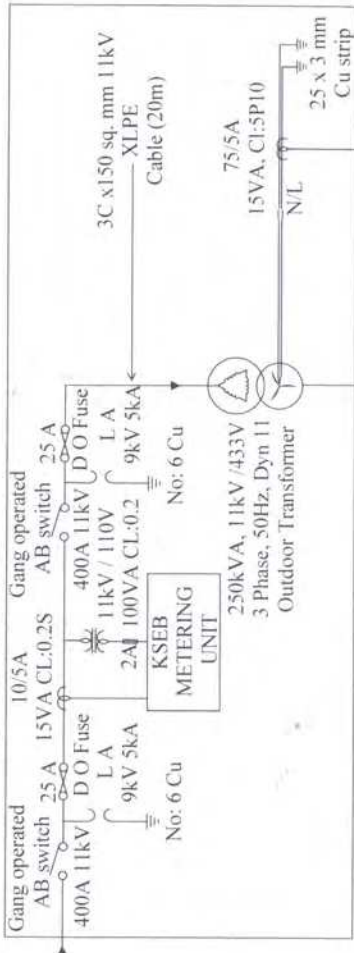
SHEET NO : 01
CHECKED BY :
VSA



DESCRIPTION	SSB2	SSB3	COS 2	SPARE FOR SOLAR	SPARE	SPARE	SSB1
VOLTAGE IN VOLTS	415	415	415				415
EXISTING LOAD	48KW	34.8KW+5HP+30kVA	12.3KW				48.305KW+15.5HP+3KVAR
ADDITIONAL LOAD	13.5KW						3.73KW+5.156kW Lift Load
TOTAL CONNECTED LOAD	61.5KW	34.8KW+5HP+30kVA	12.3KW				52.035KW+15.5HP+3KVAR+5.156KW LIFT LOAD
BREAKER RATING RATING IN AMP	125	125	125				125
SETTING	87.5	87.5	87.5				87.5
CABLE SIZE IN SQMM	95	95	35				95
CABLES AL No. OF CORE	4	4	3.5				4
LENGTH (M)	45	52	52				35
EARTHING CONDUCTOR IN SWG	25x3	25x3	25x3				25x3

KSEB YARD

APPROVAL NO : B-5336/18/EIQ
DATE : 22/11/2018



MSB

BUS BAR
PHASE - 2R X 40MM X 10MM(3 NOS)
NEUTRAL-1R X 40MM X 10MM(1 NOS)

EXISTING CL:143.405KW+20.5HP+30kVA+3KVAR
ADDITIONAL CL:17.23kW+5.156kW Lift Load
TOTAL CL:160.635KW+20.5HP+30kVA+3KVAR+5.156kW Lift Load
DF:1.5

Existing
Additional